

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT: King et al.

SERIAL NO.: 101553,097

FILED: October 13,2005

TITLE: Oxygen Resistant Hydrogenases and
Methods for Designing and Making
Same

} EXAMINER: Chowdhury

} ART UNIT: 1652

} CONFIRMATION NO.: 4772

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

AMENDMENT AND REMARKS

Sir:

In response to the March 22, 2007 Office Action, please amend the above-identified application as follows:

Amendments to the specification begin on page 2.

Amendments to the claims begin on page 7.

Remarks begin on page 10.

Submitted concurrently with the present response is an electronic copy of the SEQUENCE LISTING for the above-identified application submitted under 37 C.F.R. § 1.821(e) and a Statement to Support Filing and Submission.